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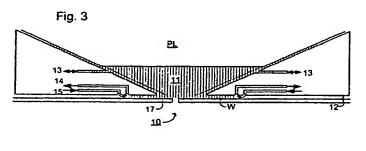
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(54) Lithographic apparatus and device manufacturing method

(57) A lithographic projection apparatus is disclosed in which the space between the final element of the projection system and the substrate is filled with a liquid. An edge seal member 17, 117 at least partly surrounds the substrate W or other object on the substrate table WT to prevent catastrophic liquid loss when edge portions of the substrate or are imaged or illuminated.



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EUROPEAN SEARCH REPORT

Application Number EP 03 25 7068

	Ciberia1 -1	DERED TO BE RELEVANT Indication, where appropriate,	Palavest	01.400(5)0.4770.477
Category	of relevant pa	ssages appropriate,	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.CI.7)
A,D	WO 99/49504 A (FUK NOBUTAKA (JP); NIP 30 September 1999 * abstract; figure	AMI YOSHIO ;MAGOME PON KOGAKU KK (JP)) (1999-09-30) s 4,5 *	1-11	G03F7/20
A	figure 2 *	07-06) - column 8, line 10;	1-33, 39-45	
X A	* abstract *	12 - line 29; figure 6 * 1 - column 6, line 19;	34,35,38 36,38	·
ļ	PATENT ABSTRACTS 0 vol. 1995, no. 08, 29 September 1995 & JP 07 132262 A (23 May 1995 (1995- * abstract *	(1995-09-29) TOKYO ELECTRON LTD).	1-11	
	6 November 1984 (19		1-11	TECHNICAL FIELDS SEARCHED (Int.CL.)
	4 May 1999 (1999-05	TCHELDER JOHN SAMUEL) 5-04) 5-11ne 65; figure 4 *	1-33, 39-45	
	28 June 1983 (1983-	BACH ERNST W ET AL) -06-28) D - line 65; figure 5 *	1-33, 39-45	
	The present search report has			
	Place of search	Date of completion of the search		Examiner To lode II
X : particu Y : particu Y : particu docum A : techno O : non-w	TEGORY OF CITED DOCUMENTS darly relevant if taken alone tarly relevant if combined with anotend of the same category logical background ration disclosure editate document	E : earlier patent docu	underlying the inv ment, but publish the application other reasons	ed on, or

EPO FORM 1503 03.82 (POLCO1)



Application Number

EP 03 25 7068

CLAIMS INCURRING FEES						
The present European patent application comprised at the time of filing more than ten claims.						
Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims and for those claims for which claims fees have been paid, namely claim(s):						
No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims.						
LACK OF UNITY OF INVENTION						
The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:						
see sheet B						
All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.						
As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.						
Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:						
None of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims:						



LACK OF UNITY OF INVENTION SHEET B

Application Number

EP 03 25 7068

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. claims: 1-33,39-45

Immersion lithographic projection apparatus of which the substrate table comprises means to maintain a contact seal around a side edge of an object on the substrate table.

2. claims: 34-38

Immersion lithographic projection apparatus of which the substrate table comprises a support surface for an intermediary plate.

ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

EP 03 25 7068

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

17-08-2004

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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82